

REMARKS

Entry of this amendment preliminary to examination of the above-identified application and preliminary to calculation of the claims fees, is requested.

The specification and abstract have been amended to correct some minor typographical errors.

Figure 2 of the drawings has been amended to add reference number 23 which was inadvertently omitted from the drawing. Basis for this amendment is found on page 2, lines 30-32 of the original application.

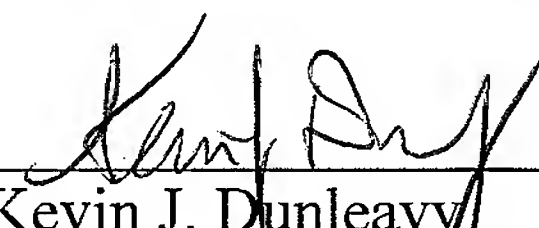
Claims 1-31 have been amended to eliminate multiple dependencies, to place the claims into better U.S. format and to provide proper antecedent basis for various elements of these claims. Claim 9 has been amended to insert the limitations of claim 8 therein. Basis for this amendment is found in previous claim 9 which depended from claim 8. Claim 12 has been amended to insert the limitations of claim 11 therein. Basis for this amendment is found in previous claim 12 which depended from claim 11.

Claim 20 has been amended to insert "analog-to-digital converter" in the claim. Basis for this amendment is found at page 9, lines 12-14 of the specification. Claim 20 has also been amended to insert "a summation device." Basis for this amendment is found at page 10, lines 22-23 of the specification.

New claim 32 has been added. Basis for new claim 32 is found in original claim 1 and in the specification on page 14, lines 2-5.

Favorable consideration and entry of the amendment is requested.

Respectfully submitted,

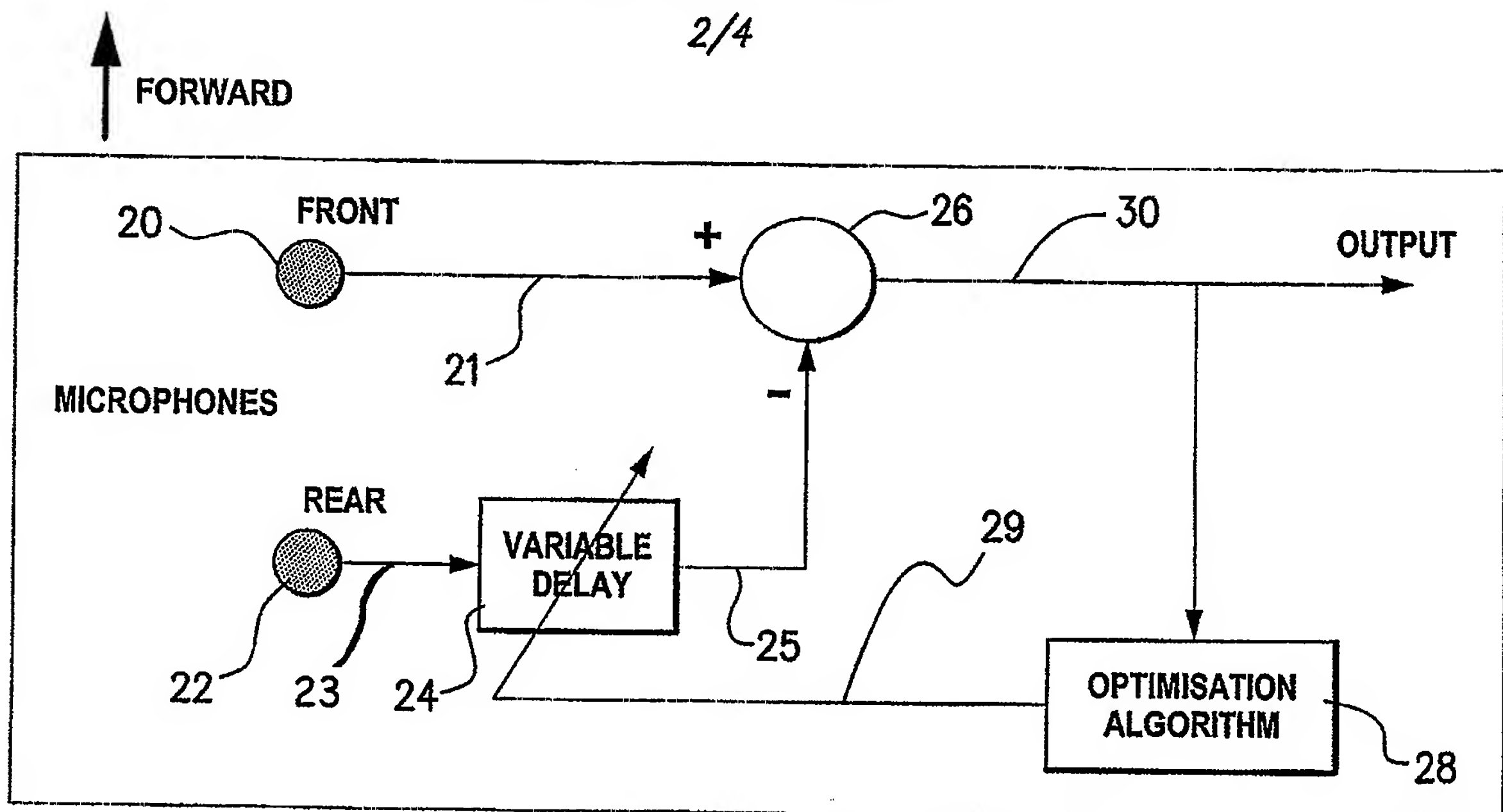
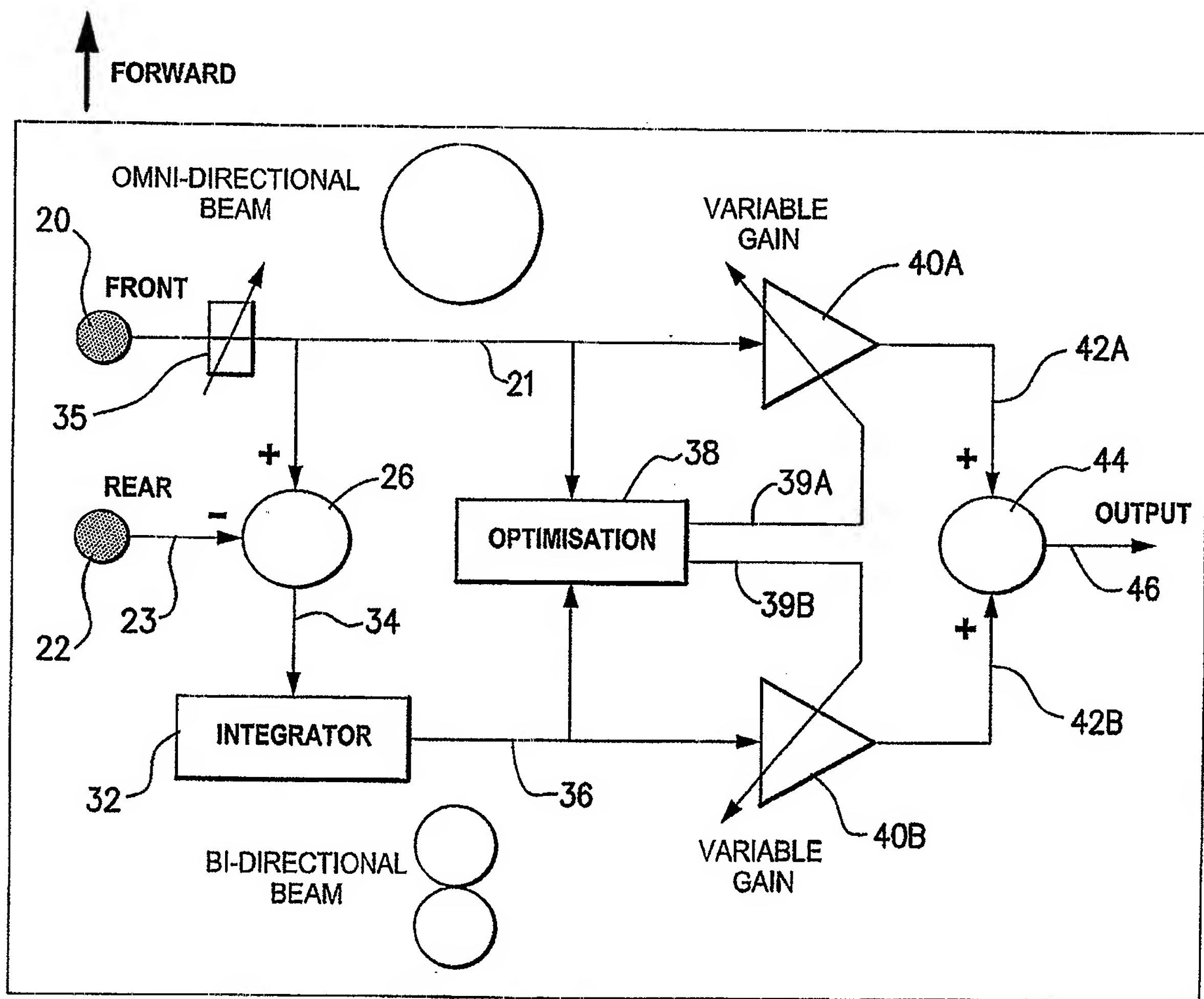


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**Fig. 2** Prior Art**Fig. 3**